With the passage of the FAST Act by Congress in late 2015, states have some of the long-term certainty they have long sought in the federal transportation program. But can a mostly status quo, five-year transportation bill help states make up for years of inadequate investment in the nation's infrastructure. More than likely, more than a few will still feel compelled to follow in the footsteps of eight states that raised gas taxes in 2015. Some may also turn to tolling and public-private partnerships to help fund projects, although those tools in the toolbox have seen increasing scrutiny and criticism in some parts of the country. State officials face a variety of other challenges as well including how to plan for the technological and demographic changes that could radically alter the transportation landscape in the years ahead and how to deploy and enhance the kinds of transportation options that will make communities into livable, sustainable, economically vital places. Here are my top five transportation issues for 2016 along with more than 500 links to resources from CSG and a variety of other sources where you can read more.

**Federal Funding Uncertainty and Underinvestment in Infrastructure**

As 2015 wound down, Congress gave states something they had asked for since 2009—long-term legislation to authorize and fund federal transportation programs. But while the Fixing America's Surface Transportation Act, or the FAST Act, will give states the greater certainty about federal transportation funding levels they haven't had, which may give them greater confidence to authorize investment in long-term transportation projects, it mostly maintains a status quo many say has been inadequate for many years. With no significant increases in funding, no new revenues identified to sustain the Highway Trust Fund long term and little in the way of transformational policy changes, the bill appears likely to challenge states anew to address their backlogs of deferred maintenance and delayed projects and to meet future needs.

**Further Reading**

**CSG Resources**


**Other Resources**
FAST Act

- “New transportation bill has list of items for industry, safety advocates.” [31] St. Louis Post-Dispatch, December 2, 2015.
- “Think FAST—the good, the bad and the ugly in Congress’ new five-year transportation bill.” [34] Transportation for America, December 2, 2015.
- “A Decade in the Making, Congress Strikes a Deal on Transportation Funding.” [36] Governing,
December 2, 2015.

- “Summary of the FAST Act.” [38] December 1, 2015.
- “Answers to Transportation Ills Need to Come from Unexpected Funding.” [45] Mobility Lab, November 24, 2015.
- “The state of bridges will only get worse, ARTBA warns.” [50] Roads & Bridges, November 13, 2015.

**State Impacts**

**Connecticut**


**Florida:**

Georgia


Iowa


Maine


Massachusetts

- “America’s Great Infrastructure Stagnation: The entire system of fixing old roads and rails and financing new ones is breaking down—just ask Boston.” [67] The Atlantic Citylab, August 27, 2015.

Minnesota


Missouri


New Jersey


Ohio

- “Ohio facing $11.6B backlog in unfunded transportation improvements.” [73] Columbus Business First, June 18, 2015.

Pennsylvania

- “Pennsylvania’s aging infrastructure gets a boost.” [74] Pittsburgh Post-Gazette, November 9, 2015.

States Explore Transportation Revenue Options

Eight states—Georgia, Idaho, Iowa, Michigan, Nebraska, South Dakota, Utah and Washington—raised their gas taxes in 2015. Two other states—Kentucky and North Carolina—made adjustments to their gas tax mechanisms to make revenues more reliable. Delaware meanwhile enacted legislation to
raise several vehicle and license fees in order to fund road repair and maintenance. And states such as Maine and Texas approved ballot measures that will result in more money going to transportation. In 2013, six states produced major transportation revenue packages.

But a large number of states also could join the club in 2016, particularly if states that have come close to passing revenue-raising legislation or examined revenue options in recent years move forward. Gas tax increases are at least in the conversation in Alabama, Colorado, Indiana, Mississippi, Missouri, South Carolina and Wisconsin ahead of 2016 legislative sessions. And while such increases have been declared all but dead for this year in Minnesota and Tennessee, lawmakers in those states could be poised to consider other transportation funding options. Meanwhile, tolling is getting a close look from policymakers in Connecticut, Indiana, Missouri, New Hampshire, Rhode Island, West Virginia and Wisconsin. And Connecticut and Louisiana are among the states looking at constitutional protections for transportation revenues. Maryland and Wisconsin both approved such lockboxes in 2014 to prevent the use of transportation funds to fill other budget holes.

**Further Reading**

**CSG Resources**


**Other Resources - General**

- “State Transportation Funding.” [82] Transportation for America.

**Other Resources - State Activities**

**Alabama**


**Arizona**
• “Lawmaker: Road funding depends on public support.” [91] Casa Grande Dispatch, October 9, 2015.
• “What Arizona can learn from Utah’s new transportation funding bill.” [93] Phoenix Business Journal, August 17, 2015.

Arkansas

• Preliminary Recommendation [94], Governor’s Working Group on Highway Funding, October 22, 2015.
• “Highway funding stakeholders seek leadership on new ideas.” [96] The City Wire, September 27, 2015.

California

• “Paying by the mile to fix potholes.” [98] The Bakersfield Californian, December 13, 2015.
• “Long neglected road maintenance is now urgent and expensive.” [99] Calmatters, December 12, 2015.
• “Falling highways: California roads crumble as tax fight wears on.” [101] Bay Area News Group, October 26, 2015.

Colorado

• “Gas tax hike gets new attention but Hickenlooper remains uncommitted.” [103] The Denver Post, August 21, 2015.

Connecticut

• “Proposed ‘lock-box’ falls short; state budget changes approved.” [105] CT Post, December 9, 2015.
• “Malloy Reiterates His Call for Transportation Lock Box.” [108] CT News Junkie, October 29, 2015.
• “Your money: Gov. Malloy talks about the cost of transportation improvements.” [110] Fox 61, October 9, 2015.
• “Malloy gets his transportation bonding—but not his ‘lockbox.’” [111] The CT Mirror, June 29, 2015.
• Governor’s Transportation Finance Panel. [112]

Delaware


Indiana


“Study highlights need for long-term Indiana road funding plan,” [117] NWI.com, October 18, 2015.


Kansas


Kentucky

“Proposed Kentucky bill to get road taxes from electric vehicle owners,” [123] KFVS, December 2, 2015.

Louisiana


Massachusetts


Michigan


Minnesota


“MnDOT Says Long-Term Project Funding Shortfall Getting Significantly Worse,” [135] AASHTO


Mississippi


Missouri

“New campaign to raise Missouri’s tobacco tax could fund transportation projects,” [152] St. Louis Post-Dispatch, August 18, 2015.
“Effort to pass a Missouri transportation funding plan to resume in 2016,” [153] Missourinet, August 6, 2015.

New Jersey


New Mexico
“Proposed increase in gas tax rate to fix roads fails.” [159] Albuquerque Journal, February 6, 2015. (New Mexico will have short legislative session in 2016).

North Carolina


Oregon

“Kate Brown puts transportation funding off until 2017—but wants minimum wage hike in 2016.” [163] The Oregonian, November 4, 2015. (Oregon will have short legislative session in 2016).

Rhode Island


South Carolina


Tennessee

"If there’s a Tennessee gas tax increase on the horizon, how much?" [172] Knoxville News Sentinel, December 26, 2015.
Cloudy Future for Tolling and Public-Private Partnerships

It has been a transitional couple of years for public-private partnerships--also known as P3s--and tolling. Despite the successful closing of P3 deals on key projects in a handful of states, the flow of such deals remains erratic in the U.S., experts say, due to a variety of factors including: political turnover in governorships, a continuing P3 knowledge gap among state officials, the lack of uniformity among state P3 laws, the ballooning costs of some projects, and the increasing complexity of P3 projects and processes. And while states such as Connecticut, Indiana, Missouri, New Hampshire, Rhode Island, West Virginia and Wisconsin point to tolling as a possible solution to their transportation funding needs, anti-toll forces in Texas, North Carolina and elsewhere have made their voices heard and prompted a reassessment of tolling on some projects.

Many believe there is still much untapped potential, untapped capital and untapped innovation in P3s. Virginia, which has used public-private partnerships on a number of high-profile transportation projects, adopted new rules to tighten state oversight of P3s. But the effort to build the Midtown Tunnel project in Norfolk as a P3 has been fraught with challenges, including an escalating price tag. Some wonder whether that experience could cloud a P3 project to widen Interstate 66 outside the Capital Beltway.

In Maryland, Gov. Larry Hogan in 2015 nixed building a new transit line in Baltimore, scaled back plans for the Purple Line P3 light rail project connecting Montgomery and Prince George’s counties...
and moved to reduce tolls on the state’s bridges, tunnels and toll roads in the name of tax relief, as he promised to do in his 2014 campaign.

Texas, which has used managed lanes and tolling to deal with a burgeoning population, has seen a populist anti-toll backlash supported by Gov. Greg Abbott and Lt. Gov. Dan Patrick. A ballot measure approved in November, which diverted some state sales tax revenues to transportation and which was billed as an effort to alleviate congestion by building new roads, included a provision that requires the money to be spent on non-toll roads. But Texas’ largest public-private partnership—the $2.6 billion LBJ Express highway reconstruction project in Dallas—opened three months ahead of schedule in October 2014 and is touted by state officials as the “future of infrastructure development.” The project was financed through a combination of private activity bonds, investor funds, a U.S. Department of Transportation loan and Texas Department of Transportation funds.

In California, Gov. Jerry Brown signed legislation authorizing the California Department of Transportation and regional transportation agencies to develop, finance, operate and maintain high-occupancy toll lanes, with no limit as to number of projects or time frame.

Rhode Island Gov. Gina Raimondo has proposed tolling large commercial trucks on some of the state’s bridges and using the toll revenues to back bonds to fund road and bridge projects. But some lawmakers want a constitutional amendment to prevent the future extension of tolls to passenger vehicles.

North Carolina has signed a 50-year contract with Cintra to design, build and operate toll lanes on I-77 but some in the state are still taking issue with the project and anti-toll forces claimed credit for ousting the mayor of Huntersville and two city commissioners in the 2015 election.

Arizona is moving forward with the $1.9 billion South Mountain Freeway Project, the first highway project procured under the state’s P3 statute.

The cash-strapped Missouri Department of Transportation hired a new director, Patrick McKenna, who has said toll roads will be part of the conversation for funding road construction in the state, as they are in the state he most recently came from—New Hampshire.

Following the success of the U.S. 36 express lanes project, the head of Colorado’s P3 office Michael Cheroutes stepped down and was replaced by David Spector, a legal counsel to Gov. John Hickenlooper.

In 2014, the Obama administration directed federal agencies to encourage more public-private collaboration on infrastructure projects. A special Congressional panel also weighed in on encouraging more collaboration. The U.S. Department of Transportation is pledging to be more aggressive in reaching out to states and the private sector in 2016 and in examining which projects move forward. But the TIFIA (Transportation Infrastructure Finance and Innovation Act) financing program, which helped enable many P3s in recent years was cut by 80 percent in the federal transportation bill. And while some had hoped the federal legislation would allow states to expand tolling including on existing interstates, a provision in the bill would actually make it more difficult for states to add tolls by requiring them to approve legislation prior to participating in a federal pilot program for tolling expansion.

Further Reading

CSG Resources


Other Resources - General


Other Resources - State-Specific

Alabama


Arizona


California

Colorado


Connecticut


Delaware


Georgia


Illinois


Indiana

- “Key legislator says Indiana should look at many road funding options, including more toll roads.” [227] Associated Press, December 5, 2015.

Kentucky

Maine


Maryland

- “Md. transportation official says reduced tolls won’t impact road maintenance.” [239] The Baltimore Sun, June 9, 2015.

Massachusetts


Michigan

- “Senate is considering bills to allow toll roads.” [242] Detroit Free Press, December 9, 2015.

Missouri

- “New MoDOT chief says toll roads will be discussed.” [243] St. Louis Post-Dispatch, November 5, 2015.

New York


North Carolina

- “Governor: Mid-Currituck Bridge timeline to speed up two years.” [250] The Outer Banks Voice, November 19, 2015.

Ohio

• “State’s share of Portsmouth bypass rises to $1.2 billion over 35 years.” [263] The Columbus Dispatch, May 25, 2015.

Pennsylvania


Rhode Island

• “Two R.I. legislators say they have issues with RIDOT.” [266] Providence Journal, December 29, 2015.
• “Raimondo sees more federal money as boon to bridge plan.” [267] Providence Journal, December 22, 2015.
• “RIDOT: 10-year transportation plan hinges on approval of truck tolls.” [272] WPRI, October 26, 2015.

Texas

• “No tolls could mean $2 billion road funding gap.” [273] Corpus Christi Caller Times, November 10, 2015.
• “Tollways may take political hit, still have future in Texas.” [274] Journal Media Group, October 31, 2015.

Virginia

Impacts of Technology and Trends on Planning and Policy

From the current insurance and regulatory concerns presented by rideshare companies like Uber and Lyft to the even more complex issues presented by the promise of driverless cars that communicate with the transportation infrastructure, state policymakers and planners will have their work cut out for them as they seek to stay one step ahead of technology, population growth, demographic shifts, increasing freight volumes, generational preferences and other factors that are reshaping the transportation landscape.
Further Reading

CSG Resources


Other Resources

Autonomous Vehicles

- "All I Want for Christmas is a Driverless Car." [308] Planetizen, December 28, 2015.
- “Tailoring Our Transportation Systems for Self-Driving Cars: In guiding the transformation, governments need to be in the driver’s seat.” [310] Governing, December 21, 2015.
- “Self-driving cars could reduce city traffic ... or create a lot more: Penn professor.” [318] Technical.ly Philly, December 4, 2015.
- “Here’s what Volvo thinks you’ll do when your car is driving itself.” [324] The Verge, November 18, 2015.
- “Autonomous Cars are Coming! How Garcetti’s Prepping L.A.” [325] Los Angeles Magazine,
November 17, 2015.

- “Will City Regulators Treat Driverless Cars Like They’ve Treated Uber,” [331] Next City, October 28, 2015.

Rideshare Services

- “Uber and Lyft will be the subjects of an environmental impact study: Uber’s claim that it helps reduce car ownership is being put to the test,” [351] The Verge, November 13, 2015.
- “Cuomo hints at a new de Blasio fight, this time over Uber,” [353] Politico New York, October 22,
2015.

- "Carsharing Getting Relatively Easy Regulatory Ride."
- “Uber: ‘we’ll ease the transition to self-driving cars.’”
- “Uber’s New Wave of Urban Design. Are Cities Ready?”

Millennials

- "Millennials’ Transportation and Housing Choices Will Shape the Nation."
- “Millennials even see transportation differently.”
- “America’s car obsession will not be diminished by Millennials alone.”
- “The Transportation Choices That Millennials Want.”

Future of Cities

- “4 ways cities will dramatically change in the future—and how we can prepare.”
- “Gabe Klein’s Advice for Los Angeles.”
- “City of the future is closer, calmer than you think.”
- “City of the Future: Technology and Mobility.”
- “Are Cities Moving Beyond Car-Based Planning?”

Connected Vehicle Technologies

- “Big Bucks for V2I, V2V in Transport Bill.”
- “Connected Vehicle Technology Must Lead to Safer, Less Congested Roads.”
- “Toyota is the First Automaker to Dabble with Vehicle-to-Infrastructure Connectivity.”
- “Intelligent Transportation Systems: Vehicle-to-Infrastructure Technologies Expected to Offer Benefits, but Deployment Challenges Exist.”
- “U.S. Department of Transportation Announces up to $42 Million in Next Generation Connected Vehicle Technologies: New York City, Tampa, FL and Wyoming Selected for Competitive Pilot Programs.”
- “Connected Vehicles & Smart Infrastructure.”
- “Cars talking to cars? UDOT about to launch tests to help development.”

Future of Transportation - General

- “ITS America Statement on the House and Senate Passing the Fixing America’s Surface Transportation (FAST) Act Five-Year Reauthorization.”
- “The U.S. Is About to Waste $305 Billion on Roads We Don’t Need.”
- “How Transportation Planning is Stuck in the Past.”
- “Automakers to Congress: Stay away from the ‘Internet of cars.’”
- “Who gets left out when we talk about highway spending.”
- “After 11 Beyond Traffic forums, one thing is clear: We can do this together.”
  [377] Fast Lane: The
Fulfilling Transit’s Potential Despite Challenges

Public transit ridership was at an all-time high in 2014 with 10.8 billion trips taken in the U.S. Recognizing the value put on transportation choice by millennials and businesses alike, even car-centric states and cities are making investments in light rail, bus rapid transit, bike lanes and other upgrades and reaping the benefits of development around transit hubs that are building new communities and revitalizing old ones. But in some places, aging, deficient and deteriorating transit systems threaten to turn off riders and challenge the resources of policymakers to maintain a high level of service while keeping transit’s winning streak alive.

Further Reading

CSG Resources


“Colorado’s Recent Transportation Successes, Future Challenges Discussed at CSG West”
Other Resources

State-Specific Transit/TOD Issues

Alaska


Arizona


California

“San Francisco approves Transportation Sustainability Fee,” [400] State Smart Transportation Initiative, December 7, 2015.

Colorado

“City leaders from Indy, Raleigh and Nashville get inspired by the secrets to Denver’s transit success,” [411] Transportation for America, September 25, 2015.

Connecticut

“CTfastrak’s Role As A Top Transit System Now Woven Into the ‘Fabric’ of Most Central Connecticut”
District of Columbia


Florida

- “When City Hall is Part of Transit-Oriented Development,” [440] Next City, June 24, 2015.

Georgia

November 11, 2015.


Hawaii


Illinois

- “The Suburb That Tried to Kill the Car: Evanston was failing as a suburb, so it reinvented itself as a mini city. Now the city of Chicago wants to follow its lead,” [447] Politico, October 22, 2015.

Indiana

- “One of America’s Most Auto-Centric Cities Ditches the Car: Indianapolis has transformed itself into a walkable bicycling metropolis—and if you still need a car, there’s an electric option,” [450] Takepart, October 28, 2015.

Maryland


Massachusetts


Michigan


Minnesota


Missouri


Nebraska


Nevada


“Why Las Vegas transportation leaders think the time is right for light rail.” [477] Las Vegas Sun, December 9, 2015.


New Jersey


New York

“Mass Transit Doesn’t Cause Gentrification: A new study of New York City finds that incomes do go up with subway access, but there are other crucial factors at play.” [486] The Atlantic Citylab, July 23, 2015.

North Carolina

“Resisting Inevitable Urbanization: In North Carolina, lawmakers don’t want to embrace the state’s shift away from rural, small-town life. But their efforts may be futile.” [487] Governing, December 2015.


Ohio


“HUD’s Harriet Tregoning urges Cleveland to improve plans for Opportunity Corridor roadway and development.” [492] Cleveland.com, June 30, 2015.


Oregon


Pennsylvania


Texas


“Here are Four Myths About Houston’s Growth.” [502] The Urban Edge, November 5, 2015.


Utah


Virginia

• “Northern Virginia Eyes Light Rail or Major Bus System for Rt. 7 Corridor,” [510] WAMU, November 16, 2015.
• “Virginia adopts multimodal, competitive project scoring process,” [513] State Smart Transportation Initiative, June 22, 2015.

Washington

• “With Big Levy Vote, Seattle is Ready to Lead the Nation on Bike Infrastructure,” [517] Streetsblog USA, November 6, 2015.
• “Seattle making smart decisions today to continue their city’s renaissance tomorrow,” [518] Transportation for America, October 29, 2015.
• “King County executive unveils plans to build housing for working residents near transit hubs,” [520] The Seattle Times, September 28, 2015.

Wisconsin


Federal Support for Transit

• “Federal Transportation Bill Has Implications for Cities,” [522] Initiative for a Competitive Inner City, December 2015.
• “America’s Top Transit Systems Face a $102 Billion Repair Backlog: Rising ridership plus aging infrastructure minus federal funding is a formula for crisis,” [528] The Atlantic Citylab, November 12, 2015.
• “Transit agencies cite ridership growth, aging infrastructure, uncertain funding sources as central issues,” [529] Progressive Railroading, October 2015.

Streetcars

• “The redevelopment word on the streetcar,” [535] Progressive Railroading, August 2015.
• “When streetcar systems serve as economic development tools,” [536] Progressive Railroading, August 2015.

Bike Infrastructure

• “Shifting Gears to Cycling Would Be Big Climate Boost,” [541] Climate Central, November 12, 2015.
• “Responding to Bike Improvement Skeptics,” [542] Planetizen, October 12, 2015.

General Interest Transit/TOD

• “The Connection Between Vibrant Neighborhoods and Economic Growth,” [552] The Atlantic Citylab,
November 25, 2015.

- “Why the Wealthy Have Been Returning to City Centers: There’s no single reason, of course, but a hatred of long commutes might be a big one.” [556] The Atlantic Citylab, November 17, 2015.
- “Shops and services don’t necessarily flock to new subway stations.” [559] LSE U.S. Centre, November 2015.
- “Public Transit Does Not Have to Reduce Traffic Congestion to Succeed: There are plenty of other benefits that have nothing to do with drivers.” [568] The Atlantic Citylab, October 7, 2015.
- “Urban bike trails in cities like Indianapolis, Dallas and Atlanta are proving to have rich economic benefits to city neighborhoods.” [575] Transportation for America, August 31, 2015.
- “The real reason American public transportation is such a disaster.” [578] Vox, August 10, 2015.
For more information on these topics and for additional resources on transportation policy, see [www.csg.org/top5in2016](http://www.csg.org/top5in2016).
http://wunc.org/post/should-other-cities-look-raleigh-downtown-inspiration#stream/0
http://bettercities.net/article/new-downtown-begins-ohio-suburb-21836
http://www.cincinnati.com/story/money/2015/11/05/study-75k-cincy-jobs-unreachable-transit/75214956/?from=global&sessionKey=&autologin=
http://urbanedge.blogs.rice.edu/2015/11/05/here-are-four-myths-about-houstons-growth/#.VkTkt7erTGL
http://www.sltrib.com/home/2652803-155/uta-shows-how-transit-fuels-economic-
http://wamu.org/news/15/11/16/northern_virginia_eyes_light_rail_or_major_bus_system_for_rt_7_corridor
http://www.washingtonpost.com/local/trafficandcommuting/u-va-professors-outing-aims-to-measure-tysons-walkability/2015/11/07/7db95e24-83fe-11e5-9af6-0c971f13d0c_story.html?hpid=hp_ocal-news_tysonswalk-530pm:homepage/story